



**UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/938,840	09/26/97	UDDENFELDT	J 027556-430

LM61/1008
BURNS DOANE SWECKER & MATHIS
P O BOX 1404
ALEXANDRIA VA 22313-1404

EXAMINER

URBAN, E

ART UNIT PAPER NUMBER

2746

10

DATE MAILED: 10/08/98

This is a communication from the examiner in charge of your application.
COMMISSIONER OF PATENTS AND TRADEMARKS

NOTICE OF ALLOWABILITY

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

- ☒ This communication is responsive to personal interview of 8/12/98
- ☒ The allowed claim(s) is/are 1-22
- ☒ The drawings filed on 10/5/98 will be used in place of transfer drawings. are acceptable.
- ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☒ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
- ☐ received in Application No. (Series Code/Serial Number) _____
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
- ☐ Applicant MUST submit NEW FORMAL DRAWINGS
- ☐ because the originally filed drawings were declared by applicant to be informal.
- ☐ including changes required by the Notice of Draftperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____.
- ☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.
- ☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftperson.

- ☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

- ☐ Notice of References Cited, PTO-892
- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 5
- ☐ Notice of Draftperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152
- ☒ Interview Summary, PTO-413
- ☐ Examiner's Amendment/Comment
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☒ Examiner's Statement of Reasons for Allowance

Art Unit: 2745

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

in claim 4, the combined technique of starting the transmission of message information to the mobile station from the second base station transmitter before terminating the transmission of message information to the mobile station from the first base station transmitter; transmitting substantially the same message information during a transition period from both the first base station transmitter and the second base station transmitter; and combining, in the mobile station, information transmitted by the first base station transmitter and information transmitted by the second base station transmitter to reconstruct the message information in a method for handing over the responsibility for transmitting message information to a mobile station from at least one first base station transmitter to at least one second base station transmitter has not been found nor fairly suggested in the prior art;

in claim 12, the combined technique of starting the transmission of message information to the mobile station from the second base station transmitter before terminating the transmission of message information to the mobile station from the first base station transmitter; transmitting substantially the same message information during a transition period from both the first base station transmitter and the second base station transmitter, wherein a fixed delay is introduced between the transmission of a symbol of the message information from the first base station transmitter and the transmission of the same symbol of the message information from the second

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base station transmitter; and combining, in the mobile station, information transmitted by the first base station transmitter and information transmitted by the second base station transmitter, to reconstruct the message information in a method for handing over the responsibility for transmitting message information to a mobile station from at least one first base station transmitter to at least one second base station transmitter has not been found nor fairly suggested in the prior art; and

in claim 17, the combined technique of starting the transmission of message information to the mobile station from the second base station transmitter before terminating the transmission of message information to the mobile station from the first base station transmitter; transmitting substantially the same message information during a transition period from both the first base station and the second base station transmitter, the transition period being the time required for the mobile station to move from the first cell to the second cell; combining, in the mobile station, information transmitted by the first base station transmitter and information transmitted by the second base station transmitter to reconstruct the message information; and terminating the transmission of message information to the mobile station from the first base station transmitter when the mobile station has moved from the first to the second cell in a method for handing over the responsibility for transmitting message information to a mobile station from at least one first base station transmitter to at least one second base station transmitter has not been found nor fairly suggested in the prior art.


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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Urban whose telephone number is (703)305-4385.

EFU

September 14, 1998


EDWARD F. URBAN
PRIMARY EXAMINER



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LN61/1008

BURNS DOANE SWECKER & MATHIS
P O BOX 1404
ALEXANDRIA VA 22313-1404

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/938,840	09/26/97	022	URBAN, E	2746 10/08/98
First Named Applicant	UDDENFELDT,	35 USC 154(b) term ext. =		0 Days.

TITLE OF INVENTION: HANDOVER METHOD FOR MOBILE RADIO SYSTEM

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2	027556-430	455-442.000	Z97 UTILITY	NO	\$1320.00	01/08/99

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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